IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: OKAZAKI, Tsuneko, et al.

Serial Number: Not Yet Assigned

Filed: March 3, 2005

For. ARTIFICIAL MAMMALIAN CHROMOSOME (AS AMENDED)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

March 3, 2005

Sir:

In compliance with 37 CFR 1.56, Applicants call to the attention of the Patent and Trademark Office the references listed on the attached PTO-1449. BB, BC, FA, FC FE, GA and HB are cited in the International Search Report.

A copy of each of the references is enclosed herewith.

In the event there are any fees due in connection with the filing of this paper, please charge Deposit Account No. <u>01-2340</u>.

Respectfully submitted,

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PATENT TRADEMARK OFFICE

Enclosures: PTO-1449 (8 pages); References (36); International Search Report



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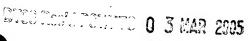
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	AA	Ando, S., et al. "CENP-A, -B, and -C Chromatin Complex That Contains the I-Type α-Satellite Array Constitutes the Prekinetochore in HeLa Cells;" <i>Molecular and Cellular Biology</i> , Vol.22, No.7, pp.2229-2241. (April 2002); Cited in the Specification.
	AB	Bannister, A. J., et al. "Selective recognition of methylated lysine 9 on histone H3 by the HP1 chromo domain;" <i>Nature</i> , Vol.410, pp.120-124. (March 2001); Cited in the Specification.
	AC	Ebersole, T.A., et al. "Mammalian artificial chromosome formation from circular alphoid input DNA does not require telomere repeats;" <i>Human Molecular Genetics</i> , Vol.9, No.11, pp.1623-1631.(2000); Cited in the Specification.
	AD	Festenstein, R., et al. "Locus Control Region Function and Heterochromatin-Induced Position Effect Variegation;" <i>Science</i> , Vol.271, pp.1123-1125. (February 1996); Cited in the Specification.
	AE	Fisher, K. J., et al. "Recombinant adeno-associated virus for muscle directed gene therapy;" <i>Nature Medicine</i> , Vol.3, No.3, pp.306-312. (1997); Cited in the Specification.
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	BA	Fournier, R. E. K, et al. "Microcell-mediated transfer of murine chromosomes into mouse, Chinese hamster, and human somatic cells;" <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 74, pp.319-323. (1977); Cited in the Specification.
	BB	Grimes, B. R., et al. "Stable gene expression from a mammalian artificial chromosome;" <i>EMBO Reports</i> , Vol.2, No.10. pp.910-914. (2001); Cited in the Specification.
	ВС	Hasegawa, K. et al., "Insulators prevent transcriptional interference between two promoters in a double gene construct for transgenesis;" <i>FEBS Letters</i> , Vol. 520, pp.47-52. (June 2002)
	BD	Henning, K. A., et al. "Human artificial chromosomes generated by modification of a yeast artificial chromosome containing both human alpha satellite and single-copy DNA sequences;" <i>Proc. Nad. Acad. Sci. USA</i> , Vol.96, pp.592-597. (January 1999); Cited in the Specification.
	BE	Howman, E. V., et al. "Early disruption of centromeric chromatin organization in centromere protein A (Cenpa) null mice;" <i>PNAS</i> , Vol.97, No.3, pp.1148-1153. (2000); Cited in the Specification.
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	CA		Hubbard, T., et al. "The Ensembl genome database project;" <i>Nucleic Acids Researd</i> Vol.30, No.1, pp.38-41. (2002); Cited in the Specification.				ic Acids Research,		
	СВ	caus	Ichinose, H., et al. "Hereditary progressive dystonia with marked diurnal fluctuation caused by mutations in the GTP cyclohydrolase I gene;" <i>Nature Genetics</i> , Vol.8, pp.236-242. (November 1994); Cited in the Specification.						
	CC	Gene	Ichinose, H., et al. "Characterization of Mouse and Human GTP Cyclohydrolase I Genes;" <i>Journal of Biological Chemistry</i> , Vol.270, No.17, pp.10062-10071. (April 1995); Cited in the Specification.					-	
	CD		Ichinose, H., et al. "Molecular Genetics of Dopa-Responsive Dystonia.;" <i>Biol. Cher</i> Vol.380, pp.1355-1364. (December 1999); Cited in the Specification.						
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	DA	Ikeno, M., et al. "Construction of YAC-based mammalian artificial chromosomes;" <i>Nature Biotechnology</i> , Vol.16, pp431-439.(May 1998); Cited in the Specification.
	DB	Araki, K., et al. "Targeted integration of DNA using mutant <i>lox</i> sites in embryonic stem cells;" <i>Nucleic Acids Research</i> , Vol.25, No.4, pp.868-872. (1997); Cited in the Specification.
	DC	Lachner, M., et al. "Methylation of histone H3 lysine 9 creates a binding site for HP1 proteins;" <i>Nature</i> , Vol. 410, pp.116-120.(March, 2001); Cited in the Specification.
	DD	Mejia, J. E., et al. "Functional Complementation of a Genetic Deficiency with Human Artificial Chromosomes;" <i>Am. J. Hum. Genet</i> . Vol.69, pp.315-326. (March 2001); Cited in the Specification.
	DE	Milot, E, et al. "Heterochromatin Effects on the Frequency and Duration of LCR-Mediated Gene Transcription;" <i>Cell</i> , Vol.87, pp.105-114. (October 1996); Cited in the Specification.
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	EA	Mineta, T, et al. "Attenuated multi-mutated herpes simplex virus-1 for the treatment of malignant gliomas;" <i>Nature Medicine</i> , Vol.1, No. 9, pp.938-943. (September 1995); Cited in the Specification.
	EB	Ota, A., et al. "Tetrahydrobiopterin Biosynthesis Enhanced by Lipopolysaccharide Stimulation in Murine Neuroblastoma Cell Line N1E-115;" <i>Journal of Neurochemistry</i> , Vol. 67, No.6, pp.2540-2548. (1996); Cited in the Specification.
	EC	Palmer, D.K., et al. "Purification of the centromere-specific protein CENP-A and demonstration that it is a distinctive histone;" <i>Proc. Natl. Acad. Sci.</i> U S A, Vol.88, pp.3734-3738. (1991); Cited in the Specification.
	ED	Platero, J. S., et al. "Functional analysis of the chromo domain of HP1;" <i>The EMBO Journal</i> , Vol.14, No.16, pp.3977-3986. (1995); Cited in the Specification.
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	FA	Rivella, S. et al., "The cHS4 Insulator Increases the Probability of Retroviral Expression at Random Chromosomal Integration Sites;" <i>Journal of Virology</i> , Vol.74, No.10, pp.4679-4687. (May 2000)
	FB	Shen, M. H., et al. "Human mini-chromosomes in mouse embryonal stem cells;" <i>Human Molecular Genetics</i> , Vol.6, No.8, pp.1375-1382. (1997); Cited in the Specification.
	FC	Horiie, S., et al. "Bisho Kakusaibo Yugoho o Riyo Shita Senshokutai Kogaku;" Saibo, Vol.33, No.3, pp.114-117. (2001)
	FD	Tanaka, K., et al. "Tetrahydrobiopterin, the cofactor for aromatic amino acid hydroxylases, is synthesized by and regulates proliferation of erythroid cells;" <i>Proc. Natl. Acad. Sci. USA</i> , Vol.86, pp.5864-5867. (August 1989); Cited in the Specification.
	FE	Okazaki, T., "Honyurui Jinko Senshokutai no Kaihatsu to Kotai no Keishitsu Tenkan eno Riyo;" Senryakuteki Kiso Kenkyu Suishin Jigyo Kenkyu Nenpo, Vol. 2000, pp.61-64. (March 2002)
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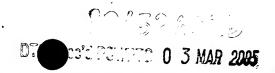
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	GA	Okazaki, T. "Honyurui Jinko Senshokutai no Kochiku to Sono Riyo;" Seimei Katsudo no Program, <i>Heisei 9 Nendo Saitaku Kenkyu Kadai Shuryo Symposium Koen Yokoshu</i> , pp.14-18. (November 2002)
	GB	Wade-Martins, R. et al. "Stable correction of a genetic deficiency in human cells by an episome carrying a 115 kb genomic transgene;" <i>Nature Biotechnology</i> , Vol.18, pp.1311-1314. (December 2000); Cited in the Specification.
	GC	Werner, E. R., et al. "Tetrahydrobiopterin Biosynthetic Activities in Human Macrophages, Fibroblasts, THP-1, and T 24 Cells;" <i>Journal of Biological Chemistry</i> , Vol.265, No. 6, pp.3189-3192 (February 1990); Cited in the Specification.
	GD	Werner, E. R., et al. "Tetrahydropterin and Cytokines;" <i>Society for Experimental Biology and Medicine</i> , Vol.203, pp.1-12. (1993); Cited in the Specification.
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	HA HB	Yen, T. J., et al. "CENP-E, a novel human centromere-associated protein required for progression from metaphase to anaphase;" <i>The EMBO Journal</i> , Vol.10, No.5, pp.1245-1254. (1991); Cited in the Specification. Kuroiwa, Y., et al., "Hito Mini Senshokutai Vector o Mochiita Mega Base (Mb) Size no Tokutei Hito Senshokutai Ryoiki no Cloning System no Kaihatsu;" <i>Experimental Medicine</i> , Vol.19, No.1, pp.50-52. (January 2001) Ikeno, M., et al., "Generation of human artificial chromosomes expressing naturally controlled guanosine triphosphate cyclohydrolase I gene;" <i>Genes to Cells</i> , Vol.7, pp.1021-1032. (2002)
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